

AGENDA

August 26-27, 2003 EPA/HSRC Meeting on Superfund Research

Hilton Cincinnati Netherland Plaza
35 West Fifth Street
Cincinnati, OH 45202
513-421-9100

Purpose: *Discuss current Hazardous Substance Research Center (HSRC) and U.S. Environmental Protection Agency (EPA)/Office of Research and Development (ORD) Superfund research, identify research needs, and foster collaborative efforts.*

Tuesday, August 26, 2003

7:30 – 8:15 a.m. Registration

8:15 – 8:40 a.m. Session 1: Welcome and Introduction
Hugh McKinnon, Director, EPA/ORD/NRMRL
Elaine Davies, Deputy Director, EPA/OSWER/OSRTI
Steve Lingle, Director, EPA/NCER/EERD
Charles Shackelford, Director, Rocky Mountain HSRC
Mitch Lasat, EPA/ORD/NCER HSRC Project Officer

8:40 – 8:50 a.m. Break

8:50 – 2:50 p.m. Session 2: Ground Water Remediation and Monitoring
Chairs: Lewis Semprini, Western Regional HSRC
Bob Puls, EPA/ORD/NRMRL

8:50 – 9:10 a.m. Benefits of DNAPL Source Reduction
Lynn Wood, EPA/ORD/NRMRL

9:10 – 9:30 a.m. Thermal Remediation in Fractured Rock, Loring AFB
Eva Davis, EPA/ORD/NRMRL

9:30 – 9:50 a.m. Monitored Natural Attenuation: Mechanisms for Chlorinated Solvents
John Wilson, EPA/ORD/NRMRL

9:50 – 10:10 a.m. Developing a Framework for Monitored Natural Attenuation of Inorganic Contaminants in Ground Water
Robert Ford, EPA/ORD/NRMRL

10:10 – 10:25 a.m. Break

10:25 – 10:45 a.m. Reactive Barrier Strategies for Metals in Ground Water
Rick Wilkin, EPA/ORD/NRMRL

10:45 – 11:05 a.m.	Vapor Intrusion Dominic DiGiulio and Michelle Simon, EPA/ORD/NRMRL; Jim Weaver, EPA/ORD/NERL
11:05 – 11:25 a.m.	Biogeochemical Characterization of the Ground Water/Surface Water Interface: Potential Effects on the Fate of Arsenic Barth Smets and Allison McKay, Center for Hazardous Substances in Urban Environments
11:25 – 11:45 a.m.	Thermal Technique for Measuring Ground Water/Surface Water Interaction Bob Lien and Carl Enfield, EPA/ORD/NRMRL
11:45 – 12:05 p.m.	Cometabolic Biosparging of Solvents Lewis Semprini, Western Region HSRC
12:05 – 1:10 p.m.	Lunch
1:10 – 1:30 p.m.	Anaerobic Degradation of Aromatic Hydrocarbons Martin Reinhard, Western Region HSRC
1:30 – 2:50 p.m.	Discussion: State of Science, Perspectives and Needs Facilitators: Ken Lovelace and Jim Cummings, EPA/OSWER/OSRTI; Dick Willey, EPA Region 1
2:50 – 3:00 p.m.	Break
3:00 – 5:00 p.m.	Session 3: Monitoring and Remediation of Contaminated Land Chairs: Fran Kremer, EPA/ORD/NRMRL, and Kathy Banks, Midwest HSRC
3:00 – 3:20 p.m.	State-of-the-Art in Containment Dave Carson, EPA/ORD/NRMRL
3:20 – 3:40 p.m.	Developing Options for Hydraulic Control and Source Treatment of Superfund Landfills Fran Kremer, John Wilson, EPA/ORD/NRMRL
3:40 – 4:00 p.m.	Methods for Monitoring Landfill Fugitive Air Emissions Susan Thorneloe and Bruce Harris, EPA/ORD/NRMRL
4:00 – 4:20 p.m.	Phytoremediation Research at the Midwest Hazardous Substance Research Center Katherine Banks, Midwest HSRC
4:20 – 4:40 p.m.	Managed Natural Attenuation; Monitoring and Modeling John Novak, Midwest HSRC
4:40 – 5:00 p.m.	Sorption and Mass Transfer Effects on Risk Assessment and Remediation Activities in Urban Settings William Ball, Isam Sabbah, and Edward Bouwer, Center for Hazardous Substances in Urban Environments
5:00 p.m.	Adjourn

Wednesday, August 27, 2003

8:20 – 11:10 a.m. **Session 3: Monitoring and Remediation of Contaminated Land (Continued)**

8:20 – 8:40 a.m. **Soil Metal Bioavailability and Treatment**
Jim Ryan, Chris Impellitteri, and Kirk Scheckel,
EPA/ORD/NRMRL

8:40 – 9:00 a.m. **Soil Characterization and Sampling**
Jeff VanEe, EPA/ORD/NERL

9:00 – 9:20 a.m. **Overview of EPA's Mining Waste Technology Program**
Roger Wilmoth, EPA/ORD/NRMRL

9:20 – 9:40 a.m. **Evaluation of Hydrologic Models for Alternative Covers at Mine Waste Sites**
Chuck Shackelford, Rocky Mountain Regional HSRC

9:40 – 9:50 a.m. **Break**

9:50 – 11:10 a.m. **Discussion: State of Science, Perspectives and Needs**
Facilitators: Ken Skahn and Deana Crumbling,
EPA/OSWER/OSRTI

11:10 – 11:20 a.m. **Break**

11:20 – 4:00 p.m. **Session 4: Contaminated Sediments**
Chairs: Danny Reible, S&SW HSRC, and Dennis Timberlake, EPA/ORD/NRMRL

11:20 – 11:40 a.m. **A Contaminated Sediment Cap: Wizzard or Dunce?**
Danny Reible, S&SW HSRC

11:40 – 12:00 noon **Metals and Organics Release from Resuspended Sediments**
Louis Thibodeaux and Mason Tomson, S&SW HSRC

12:00 – 1:00 p.m. **Lunch**

1:00 – 1:20 p.m. **Evaluating the effectiveness of Monitored Natural Attenuation**
Dick Brenner, EPA/ORD/NRMRL; Jim Lazorchak,
EPA/ORD/NERL; Joe Schubauer-Berrigan, EPA/ORD/NRMRL

1:20 – 1:40 p.m. **Fate and Transport of Metals and Sediment in Surface Water**
Pierre Julien, Rocky Mountain Regional HSRC

1:40 – 2:00 p.m. **Fate and Transport Modeling**
Earl Hayter, EPA/ORD/NERL, and Dave Mount,
EPA/ORD/NHEERL

2:00 – 2:20 p.m. **Tiered Risk Assessment**
Dave Mount and Larry Burkhard, EPA/ORD/NHEERL

	2:20 – 2:40 p.m.	Characterizing the Ecological Risks of Dredging Contaminated Sediments Mike Kravitz, EPA/ORD/NCEA, and Dennis Timberlake, EPA/ORD/NRMRL
	2:40 – 4:00 p.m.	Discussion: State of Science, Perspectives and Needs Facilitators: TBD
4:00 – 4:20 p.m.		General Discussion: Overview and Action Items
4:20		Adjourn